

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

11. (Currently Amended) A fabric care composition comprising:

- a) at least about 0.01% by weight, of a fabric enhancement system, said fabric enhancement system comprising one or more modified polyamine compounds, said modified polyamine compounds are selected from:

- i) $(PA)_w(T)_x$;
- ii) $(PA)_w(L)_z$;
- iii) $[(PA)_w(T)_x]_y[L]_z$; and
- iv) mixtures thereof;

wherein PA is a grafted or non-grafted, modified or unmodified polyamine backbone unit, T is an amide-forming polycarboxylic acid crosslinking unit, and L is a non-amide forming crosslinking unit; provided that for compounds of type (i) and (iii) the indices w and x have values such that the ratio of w to x is from 0.8 : 1 to 1.5 : 1; for compounds of type (ii) the indices w and z have values such that said modified polyamine compound comprises from about 0.05 to about 2 parts by weight of said L unit; for compounds of type (iii) the indices y and z have values such that said modified polyamine compound comprises from about 0.05 to about 2 parts by weight of said L unit;

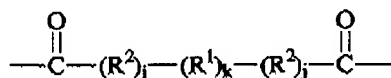
- b) at least about 0.01% by weight, of a transition metal-comprising dye protection system, said dye protection system comprising one or more oligomers formed from the reaction of:

- i) 1 part by weight of an epihalohydrin; and
- ii) from 0.5 to 2 parts by weight of a substituted or unsubstituted imidazole; and

- c) the balance carriers and adjunct ingredients.

12. (Previously Presented) A composition according to Claim 11 wherein said transition metal-comprising dye protection system comprises an admixture of one or more oligomers having the formula:

18. (Currently Amended) A composition according to Claim 17 wherein said oligomer is formed from the reaction of:
- 1 part by weight of epichlorohydrin; and
 - at least about 1.4 parts by weight of imidazole.
19. (Previously Presented) A composition according to Claim 11 wherein said oligomer has a molecular weight of from about 500 to about 5000 daltons.
20. (Currently Amended) A composition according to Claim 11 wherein said oligomer is formed from the reaction of:
- 1 part by weight of epichlorohydrin; and
 - at least about 1.4 parts by weight of imidazole
- wherein said oligomer has an average molecular weight of from about 1800 to about 2200 daltons.
21. (Previously Presented) A composition according to Claim 11 wherein said PA polyamine backbone unit comprises a polyamine which is grafted wherein said grafting agent is selected from aziridine, caprolactam, and mixtures thereof.
22. (Previously Presented) A composition according to Claim 11 wherein said T unit has the formula:



wherein R^1 is methylene, phenylene, and mixtures thereof; R^2 is -NH- ; k is from 2 to 8, each j is independently 0 or 1.

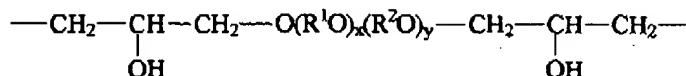
23. (Previously Presented) A composition according to Claim 11 wherein said L unit is selected from:
- polyalkylene units having the formula:

$$\text{---}(\text{CH}_2)_n\text{---}$$

wherein n is from 1 to about 50;
 - epichlorohydrin/polyalkylene units having the formula:

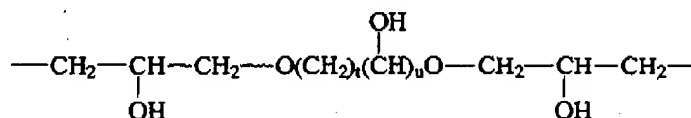
$$\text{---CH}_2\text{---}\underset{\text{OH}}{\text{CH}}\text{---CH}_2\text{---}(\text{CH}_2)_n\text{---CH}_2\text{---}\underset{\text{OH}}{\text{CH}}\text{---CH}_2\text{---}$$

wherein n is from 1 to 50;
 - polyalkyleneoxy comprising units having the formula:



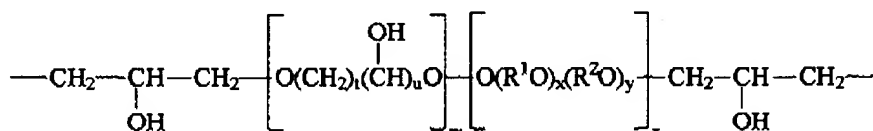
wherein R¹ is ethylene, R² is 1,2-propylene, x is from 0 to 100 and y is from 0 to 100;

- iv) polyhydroxy comprising units having the formula:



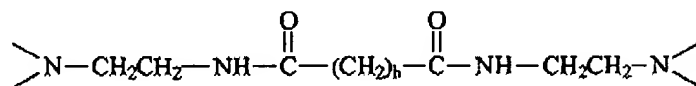
wherein the index t is at least 2 and the index u is from 1 to about 6;

- v) polyalkyleneoxy/polyhydroxy comprising units having the formula:



wherein R¹, R², t, u, x, and y are the same as defined above, the indexes w and z are each independently from 1 to 50;

- vi) units which comprise an aziridine unit having the formula:



wherein h is from 0 to 22; and

- vii) mixtures thereof.

24. (Previously Presented) A composition according to Claim 11 wherein said fabric enhancement polyamine compound is formed by the reaction of:

- a) 1 part by weight, of a polyamidoamine obtained by condensation of 1 mole of a dicarboxylic acid with from 0.8 to 1.5 moles of a polyalkylene polyamine then optionally reacting the obtained polyamidoamine condensation product with up to 8 ethyleneimine units per basic nitrogen atom; and
- b) further reacting the product obtained in (a) with from 0.05 to 2 parts by weight, of a reaction product of a polyalkylene oxide having from 8 to 100 alkylene oxide units with epichlorohydrin at a temperature of from about 20 °C to about 100 °C.

25. (Currently Amended) A fabric care composition comprising:

- a) at least about 0.01% by weight, of a fabric enhancement system, said fabric enhancement system comprising one or more modified polyamine compounds, said modified polyamine compounds are selected from:

- i) $(PA)_w(T)_x$
- ii) $(PA)_w(L)_z$
- iii) $[(PA)_w(T)_x]_y[L]_z$; and
- iv) mixtures thereof;

wherein PA is a grafted or non-grafted, modified or unmodified polyamine backbone unit, T is an amide-forming polycarboxylic acid crosslinking unit, and L is a non-amide forming crosslinking unit; provided that for compounds of type (i) and (iii) the indices w and x have values such that the ratio of w to x is from 0.8 : 1 to 1.5 : 1; for compounds of type (ii) the indices w and z have values such that said modified polyamine compound comprises from about 0.05 to about 2 parts by weight of said L unit; for compounds of type (iii) the indices y and z have values such that said modified polyamine compound comprises from about 0.05 to about 2 parts by weight of said L unit;

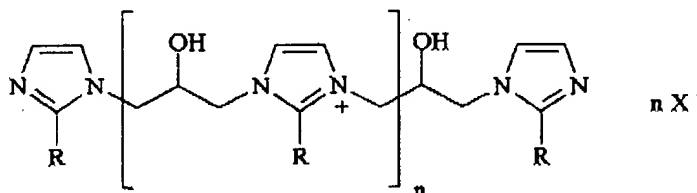
- b) at least about 0.01% by weight, of a transition metal-comprising dye protection system, said dye protection system comprising one or more oligomers formed from the reaction of:
 - i) 1 part by weight of an epihalohydrin; and
 - ii) from 0.5 to 2 parts by weight of a substituted or unsubstituted imidazole
- c) optionally at least about 1%, by weight, of a fabric softening active;
- d) optionally less than about 15% by weight, of a principal solvent;
- e) optionally from about 0.001% to about 90% by weight, of one or more dye fixing agents;
- f) optionally from about 0.01% to about 50% by weight, of one or more cellulose reactive dye fixing agents;
- g) optionally from about 0.01% to about 15% by weight, of a chlorine scavenger;
- h) optionally from about 0.005% to about 1% by weight, of one or more crystal growth inhibitors;
- i) optionally from about 0.01% to about 20% by weight, of a fabric abrasion reducing polymer;
- j) optionally from about 1% to about 12% by weight, of one or more liquid carriers;
- k) optionally from about 0.001% to about 1% by weight, of an enzyme;
- l) optionally from about 0.01% to about 8% by weight, of a polyolefin emulsion or suspension;

- m) optionally from about 0.01% to about 0.2% by weight, of a stabilizer;
 - n) optionally from about 1% to about 80% by weight, of a fabric softening active;
 - o) optionally from about 0.5% to about 10% by weight, of a cationic nitrogen compound; and
 - p) the balance carrier and adjunct ingredients.
26. (Currently Amended) A composition according to Claim 25 wherein said dye protection system comprises one or more oligomers formed from the reaction of:
- i) 1 part by weight of epichlorohydrin; and
 - ii) at least about 1.4 parts by weight of imidazole.
27. (Currently Amended) A laundry detergent composition comprising:
- a) at least about 0.01% by weight, of a deterative surfactant selected from the group consisting of anionic, cationic, nonionic, zwitterionic, ampholytic surfactants, and mixtures thereof;
 - b) at least about 0.01% by weight, of a fabric enhancement system, said fabric enhancement system comprising one or more modified polyamine compounds, said modified polyamine compounds are selected from:
 - i) $(PA)_w(T)_x$;
 - ii) $(PA)_w(L)_z$;
 - iii) $[(PA)_w(T)_x]_y[L]_z$; and
 - iv) mixtures thereof;

wherein PA is a grafted or non-grafted, modified or unmodified polyamine backbone unit, T is an amide-forming polycarboxylic acid crosslinking unit, and L is a non-amide forming crosslinking unit; provided that for compounds of type (i) and (iii) the indices w and x have values such that the ratio of w to x is from 0.8 : 1 to 1.5 : 1; for compounds of type (ii) the indices w and z have values such that said modified polyamine compound comprises from about 0.05 to about 2 parts by weight of said L unit; for compounds of type (iii) the indices y and z have values such that said modified polyamine compound comprises from about 0.05 to about 2 parts by weight of said L unit;
 - c) at least about 0.01% by weight, of a transition metal-comprising dye protection system, said dye protection system comprising one or more oligomers formed from the reaction of:
 - i) 1 part by weight of an epichlorohydrin; and

- ii) from 0.5 to 2 parts by weight of a substituted or unsubstituted imidazole; and
- d) the balance carriers and adjunct ingredients.

28. (Previously Presented) A composition according to Claim 27 wherein said adjunct ingredients are selected from the group consisting of builders, optical brighteners, soil release polymers, dye transfer agents, dispersents, enzymes, suds suppressers, dyes, perfumes, colorants, filler salts, hydrotropes, photoactivators, fluorescers, fabric conditioners, hydrolyzable surfactants, preservatives, anti-oxidants, chelants, stabilizers, anti-shrinkage agents, anti-wrinkle agents, germicides, fungicides, anti corrosion agents, and mixtures thereof.
29. (Previously Presented) A composition according to Claim 27 wherein said transition metal-comprising dye protection system comprises an admixture of one or more oligomers having the formula:



wherein R is hydrogen, C₁-C₁₈ alkyl, and mixtures thereof; X is a water soluble anion; the index n has a value such that the average molecular weight of said oligomer admixture is from about 500 daltons to about 5000 daltons.

30. (Currently Amended) A method for preventing fading of dye from fabric comprising the step of contacting fabric with an aqueous solution containing a least 50 ppm of a laundry detergent composition which comprises:
- a) at least about 0.01% by weight, of a deterative surfactant selected from the group consisting of anionic, cationic, nonionic, zwitterionic, ampholytic surfactants, and mixtures thereof;
 - b) at least about 0.01% by weight, of a fabric enhancement system, said fabric enhancement system comprising one or more modified polyamine compounds, said modified polyamine compounds are selected from:
 - i) (PA)_w(T)_x;
 - ii) (PA)_w(L)_z;
 - iii) [(PA)_w(T)_x]_y[L]_z; and
 - iv) mixtures thereof;

wherein PA is a grafted or non-grafted, modified or unmodified polyamine backbone unit, T is an amide-forming polycarboxylic acid crosslinking unit, and L is a non-amide forming crosslinking unit; provided that for compounds of type (i) and (iii) the indices w and x have values such that the ratio of w to x is from 0.8 : 1 to 1.5 : 1; for compounds of type (ii) the indices w and z have values such that said modified polyamine compound comprises from about 0.05 to about 2 parts by weight of said L unit; for compounds of type (iii) the indices y and z have values such that said modified polyamine compound comprises from about 0.05 to about 2 parts by weight of said L unit;

- c) at least ~~about~~ 0.01% by weight, of a transition metal-comprising dye protection system, said dye protection system comprising one or more oligomers formed from the reaction of:
 - i) 1 part by weight of an epihalohydrin; and
 - ii) from 0.5 to 2 parts by weight of a substituted or unsubstituted imidazole; and
- d) the balance carriers and adjunct ingredients, said adjunct ingredients are selected from the group consisting of builders, optical brighteners, soil release polymers, dye transfer agents, dispersants, enzymes, suds suppressers, dyes, perfumes, colorants, filler salts, hydrotropes, photoactivators, fluorescers, fabric conditioners, hydrolyzable surfactants, preservatives, anti-oxidants, chelants, stabilizers, anti-shrinkage agents, anti-wrinkle agents, germicides, fungicides, anti corrosion agents, and mixtures thereof.